



**International
Standard**

ISO 18573

**Conveyor belts — Test atmospheres
and conditioning periods**

*Courroies transporteuses — Atmosphères d'essai et durées de
conditionnement*

**Third edition
2024-09**

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 41 *Pulleys and belts (including veebelts)*, Subcommittee SC 3, *Conveyor belts*.

This third edition cancels and replaces the second edition (ISO 18573:2012), of which it constitutes a minor revision. The changes are as follows:

- Clause 2 and the Bibliography have been updated. ²⁰²⁴
- Clause 3 has been updated.
- Content in parentheses in [Clause 5](#) c), d) and e) has been deleted.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The conditioning of test pieces prior to testing is commonly accepted as an essential practice in most, but not necessarily all, methods of test. Its purpose is to provide a common ground base for the commencement of the test and to remove an unnecessary variable in the search for the optimum precision for the particular test.

In order to meet these objectives, it is essential to standardize as many of the variables as possible.

Conveyor belts, other than steel cord conveyor belts, contain a textile element. This can be highly hydrophobic or somewhat more hydrophilic. Similarly, the polymer layer or cover can be thermoplastic or subject to thermal ageing. Each of these factors can have a significant effect on the property of the conveyor belt. These factors need to be taken into account when making a decision as to whether conditioning is necessary and, if so, what the most appropriate conditions would be. The provisions given in ISO139,^[1] ISO23529^[2] and ISO2231^[3] have been taken into account in the preparation of this document.

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